

CLAIMS

1. A part of an antifriction bearing for a high temperature having an inner ring, an outer ring and a rolling element,

consisting of a steel product containing C by at least 0.6 % and not more than 1.3 %, Si by at least 0.3 % and not more than 3.0 %, Mn by at least 0.2 % and not more than 1.5 %, P by not more than 0.03 %, S by not more than 0.03 %, Cr by at least 0.3 % and not more than 5.0 %, Ni by at least 0.1 % and not more than 3.0 %, Al by not more than 0.050 %, Ti by not more than 0.003 %, O by not more than 0.0015 % and N by not more than 0.015% in mass % as the contents of alloying elements with the rest consisting of Fe and unavoidable impurities and having a structure subjected to tempering after quench hardening or carbonitriding, wherein the hardness after said tempering is at least HRC 58 and the maximum carbide size is not more than 8 μ m.

2. The antifriction bearing part for a high temperature according to claim 1, wherein said steel product further contains at least one of at least 0.05 % and less than 0.25 % of Mo and at least 0.05 % and not more than 1.0 % of V in mass %.